



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY
EU TYPE-APPROVAL CERTIFICATE

Communication concerning:

~~EU type-approval~~

extension of EU type-approval

~~refusal of EU type-approval~~

~~withdrawal of EU type-approval~~

of a type of separate technical unit: exhaust device
(pollution-control device and noise-abatement device)

with regard to Annex(es) IX to (Commission Delegated) Regulation (EU) No 134/2014

EU type-approval No: e11*134/2014*134/2014H*00502*01

Reason(s) for extension: To cover updating of field of application

SECTION I

0.7. Make(s) (trade name(s) of manufacturer): TERMIGNONI

0.8. Type: Y112

0.8.1 Commercial name(s) (if available): Not applicable

0.9. Company name and address of the manufacturer:

Termignoni S.p.A.
Via Della Rampina, 1
15077 Predosa (AL)
Italy

0.9.1. Name(s) and address(es) of assembly plant(s):

Termignoni S.p.A.
Via Della Rampina, 1
15077 Predosa (AL)
Italy

0.9.2. Name and address of manufacturer's authorised representative, if any: Not applicable

- 0.10. In the case of separate technical unit, vehicle(s) for which the system is intended for: See manufacturer's documentation
- 0.10.1. Type: See manufacturer's documentation
- 0.10.2. Variant(s): See manufacturer's documentation
- 0.10.3. Version(s): See manufacturer's documentation
- 0.10.4. Commercial name(s) (if available): See manufacturer's documentation
- 0.10.5. Category, subcategory and sub-subcategory of vehicle: See manufacturer's documentation

SECTION II

- 1. Technical service responsible for carrying out the tests: TÜV SÜD Auto Service GmbH
- 2. Date of test report: As before and 19 May 2017
- 3. Number of test report: 16-00005-CM-MIL-01
- 4. Remarks (see addendum): None
- 5. Restrictions of validity: Not applicable
- 6. Waivers applied: Not applicable

Place: BRISTOL

Signature:



D LAWLOR
Chief Technical and Statutory Operations Officer

Date: 17 JULY 2017

Attachments:

Information package

Test results

ADDENDUM

to the EU type-approval certificate with EU type-approval number:
e11*134/2014*134/2014H*00502*01

1. Restriction of use of the: Not applicable
2. Special conditions for the mounting of the: See manufacturer's documentation
3. Remarks: None



Vehicle
Certification
Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: e11*134/2014*134/2014H*00502*01

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 01 (One)

Total number of sheets: 10 (Ten)

Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp

EAT397438





Information Document relating to EU type approval as separate technical unit of exhaust systems for motorcycles (Regulation (EU) 134/2014 including the amendment (EU) 134/2014 dated 16.12.2013)

1. *Make (trade name of manufacturer):* Termignoni
2. *Type and general commercial description:* Y112
3. *Name and address of manufacturer:* Termignoni S.p.A.
via della Rampina, 1
I-15077 Predosa (AL)
4. *Name and address of manufacturer's authorized representative:* *Not applicable*
5. *Parts list:* *Notice enclosure 1 of the test report*
6. *Make and motorcycle type of the field of application:* *See list enclosed*
7. *Restriction and instructions for installing:* *Notice assembly manual and field of application*

Further details are mentioned in the motorcycle homologation (notice enclosure 2 of the test report).

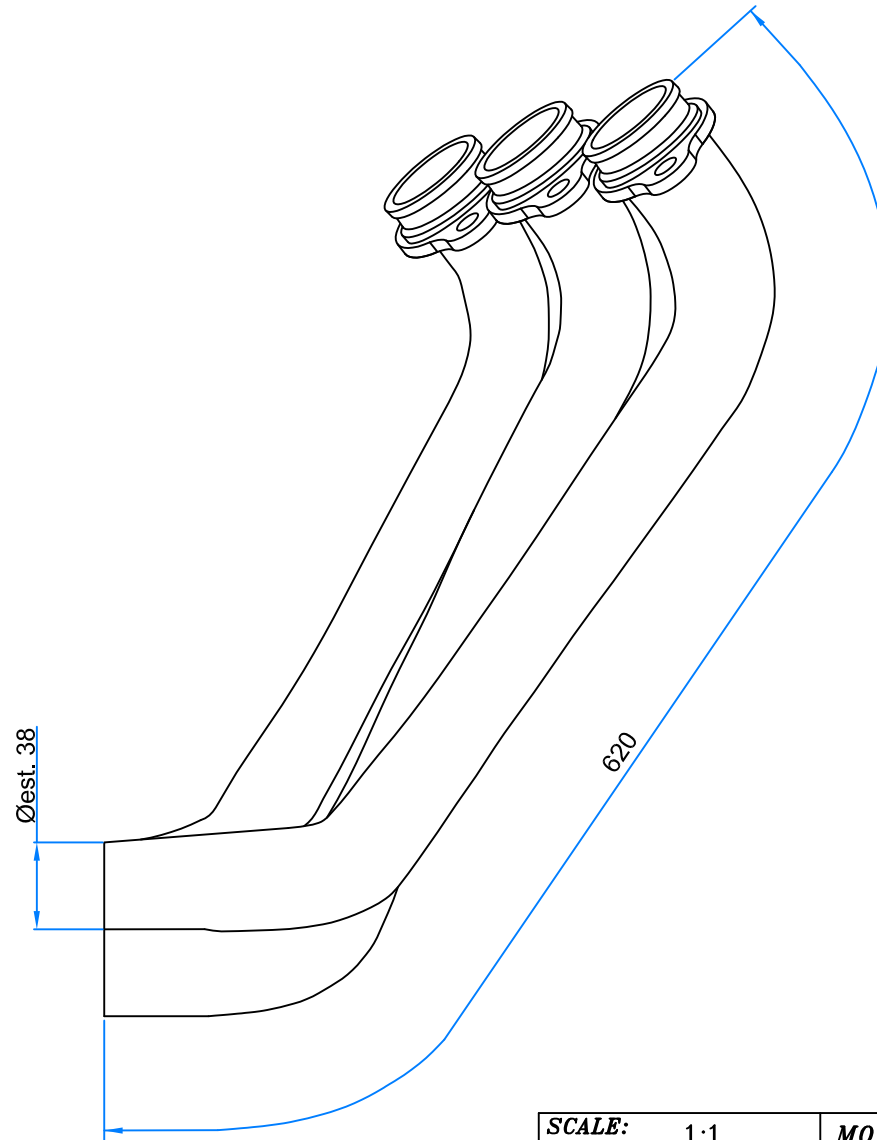


Information Document relating to EU type approval as separate technical unit of exhaust systems for motorcycles (Regulation (EU) 134/2014 including the amendment (EU) 134/2014 dated 16.12.2013)

<i>Enclosures</i>	<i>Drawing no.</i>	<i>Date</i>
<i>Drawing of collectors</i>	Y112: Collectors	12/02/2014
<i>Drawing of final body</i>	Y112: Final body	12/02/2014
<i>Drawing of silencer</i>	Y112: SILENCER	06/02/2014
<i>Drawing of catalytic converter</i>	Y112: CATALYTIC CONVERTER	14/02/2014
<i>Drawing of reduction</i>	Y112: TAPPO	14/02/2014
<i>Drawing of composition</i>	Y112: ASSEMBLY	12/02/2014
<i>List of vehicles</i>		
<i>Fitting instructions</i>		

INFORMATION DOCUMENT N Y112/134/2014 rev. 01 - List of the vehicles

No. of vehicle	Manufacturer	Make	Commercial name	Vehicle type (and no. of homologation)	Engine type	Stroke	Engine capacity in cm ³	Rated maximum engine power in kW/min ⁻¹	Additional remarks:	Composition as shown in enclosure no. 1
1)	YAMAHA Motor Co. Ltd.	YAMAHA	XSR 900 (MTM850)	RN43 e13*168/2013*00002	N701E	4 stroke	847	84,6 / 10000	with cat	1) 2) 3) 4)
2)			MTM850-A (MT-09 ABS)	RN43 e13*168/2013*00002						1) 2) 3) 4)
3)			MT09TRA (MT-09 TRACER)	RN43 e13*168/2013*00002						1) 2) 3) 4)
4)			MT09TRP	RN43 e13*168/2013*00002						1) 2) 3) 4)



SCALE: 1:1	MODEL:
DATE: 12/02/2014	YAMAHA MT-09
DES: E. Vrapì	Collectors code Y112
TYPE: Y112: Collectors	Y112 e11 00502 H

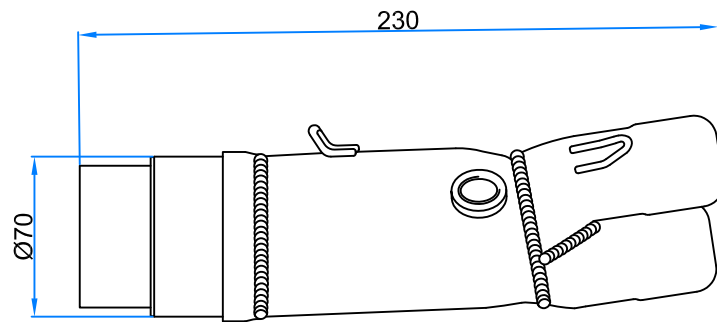
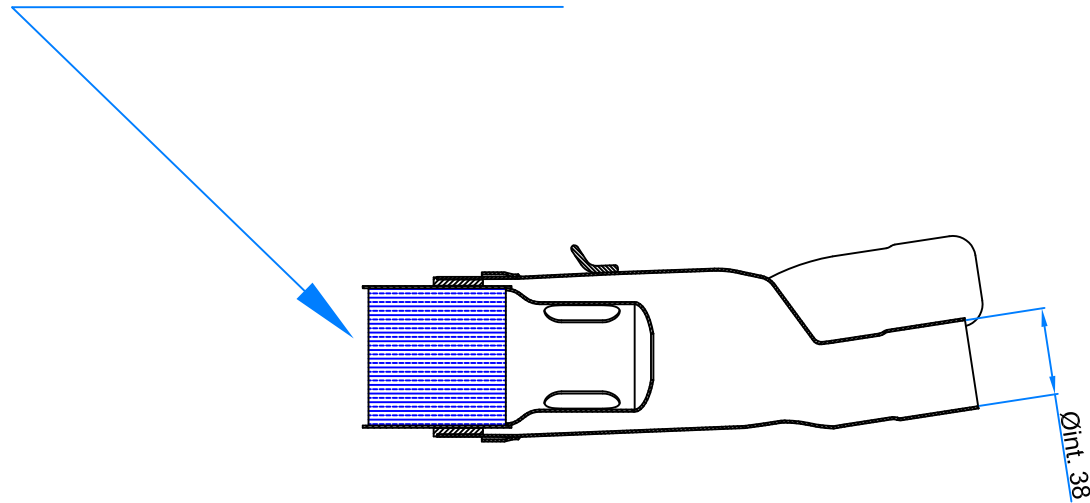


17-Jul-17

Termignoni S.p.A.

info@termignoni.it

see drawing
"Y112: Catalytic converter"



SCALE: 1:1	MODEL: YAMAHA MT-09
DATE: 12/02/2014	Final body code Y112
DES: E. Vrapi	Y112 e11 00502 H
TYPE: Y112: Final body	

Termignoni S.p.A.

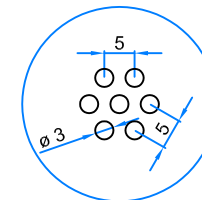
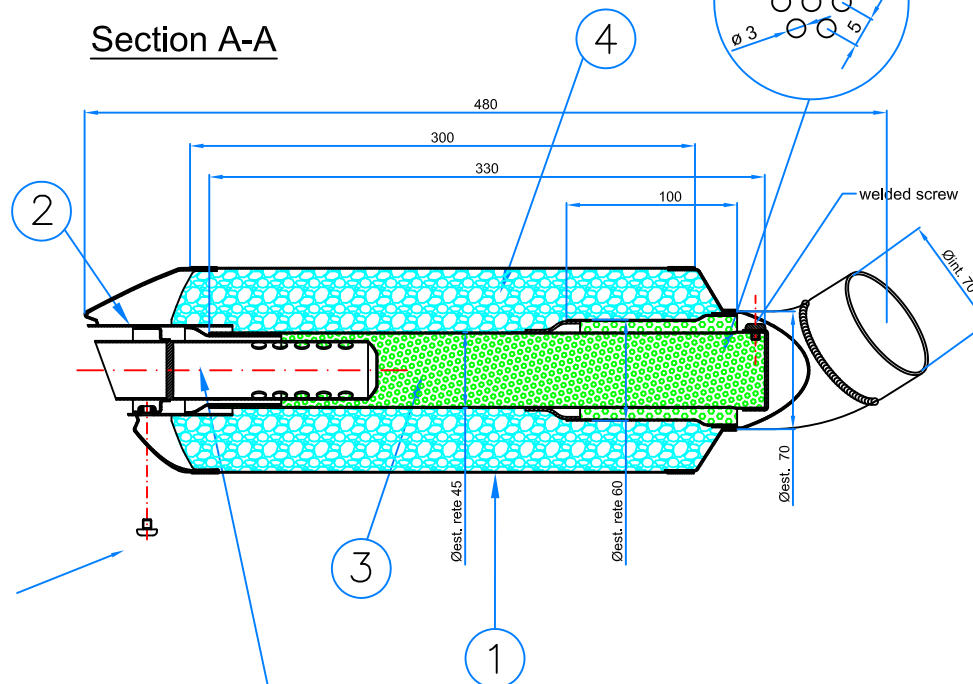
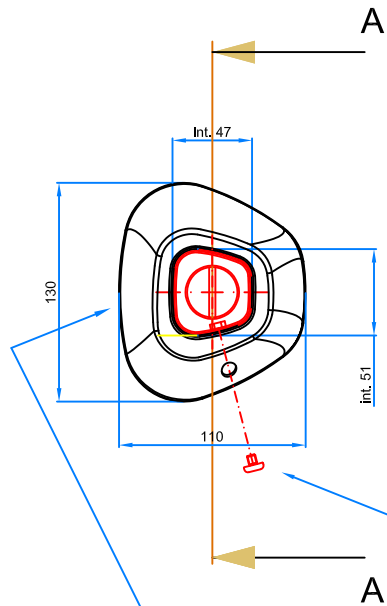


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info@termignoni.it

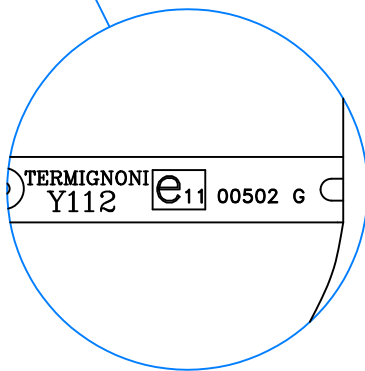
General tolerance: ±1mm

DETAIL (NOT IN SCALE)



Welded screw

see drawing
"Y112: TAPPO"



DETAIL (NOT IN SCALE)

PART LIST

Nr	Part name	Material	Dimensions	QT
1	Shell	Stainless Steel	See Drawing	1x
	or	Titanium	See Drawing	1x
	or	Carbon fiber	See Drawing	1x
	or	Aluminium	See Drawing	1x
2	Outlet Pipe	Stainless Steel	See Drawing	1x
	or	Titanium	See Drawing	1x
3	Punched-holes pipe	Stainless Steel	Ø 45x0,8	1x
	or	Titanium	Ø 45x0,8	1x
4	Sound deadener	Fiberglass	635 gr	1x

SCALE:

MODEL:

DATE: 06/02/2014

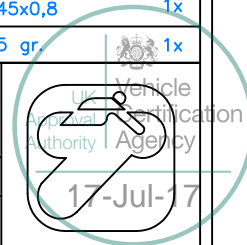
YAMAHA MT 09
SILENCER code Y112

NAME: E. Vrapì

Y112 e11 00502 H

TYPE: Y112: SILENCER

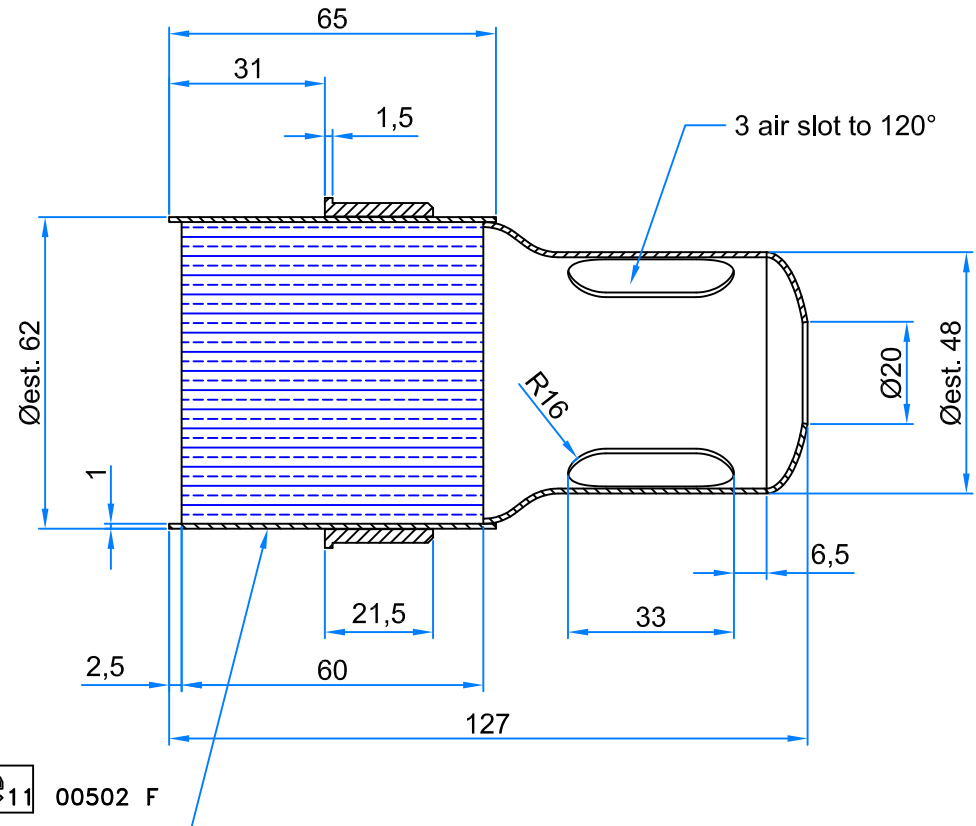
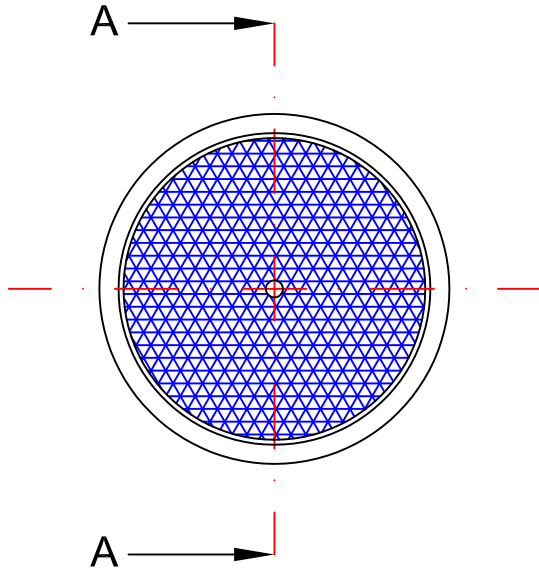
Termignoni s.p.a.



General tolerance: $\pm 1\text{mm}$

MATERIAL: S.Steel or Titanium

Section A - A



CHARACTERISTICS

DIMENSIONS : $\text{\O}i$ 60x60 mm.

CPSI : 400

FORMULATION : Pt/Pd/Rh

RATIO : 1/13/1

LOADING : 140 gr/fts

SCALA: 1:1	MODEL: YAMAHA MT-09 Catalytic converter Y112 e11 00502 H
DATUM: 14/02/2014	
NAME: E. Vrapì	
Tipe: Y112: Catalytic converter	



17-Jul-17

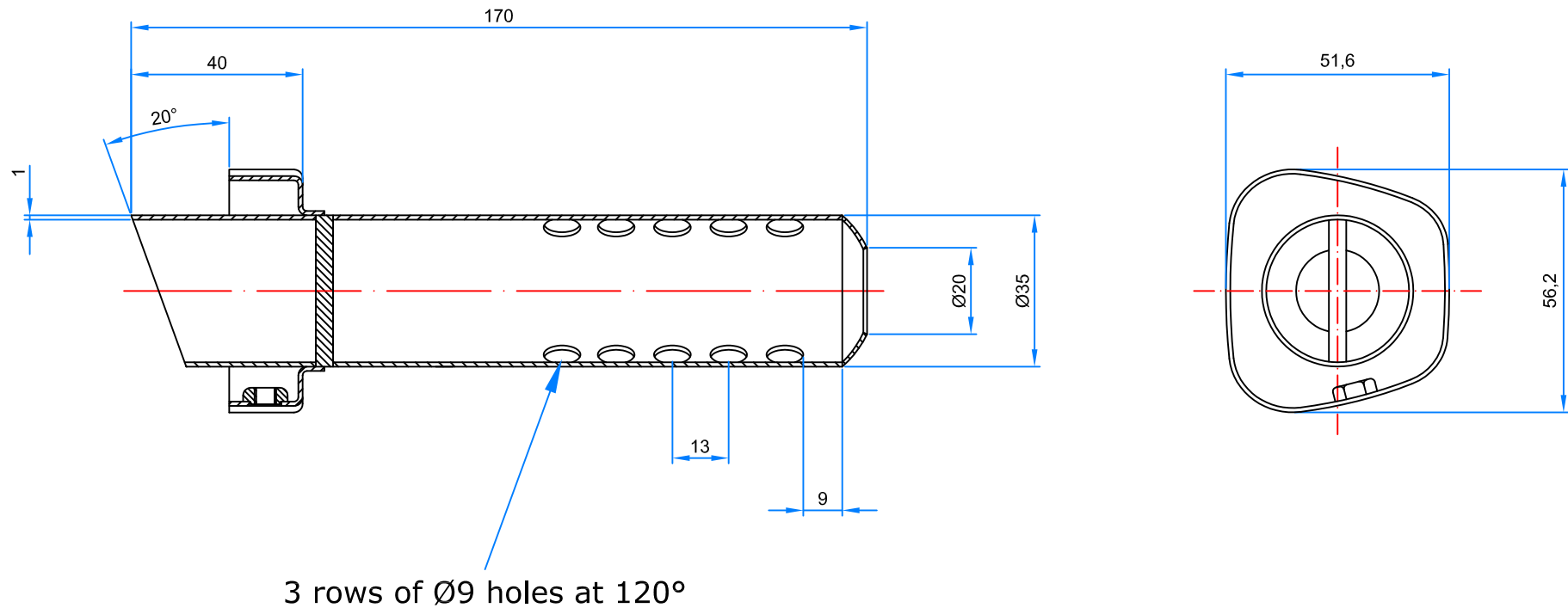
Cod. TERMIGNONI TY170

Termignoni s.p.a.

info@termignoni.it

General tolerance: $\pm 1\text{mm}$

MATERIAL: S.Steel or Titanium



SCALA:	1:1	MODEL:	YAMAHA MT-09
DATUM:	14/02/2014		Tappo code Y112
NAME:	E. Vrapì		Y112 e11 00502 H

Tip: Y112: Tappo

Termignoni s.p.a.



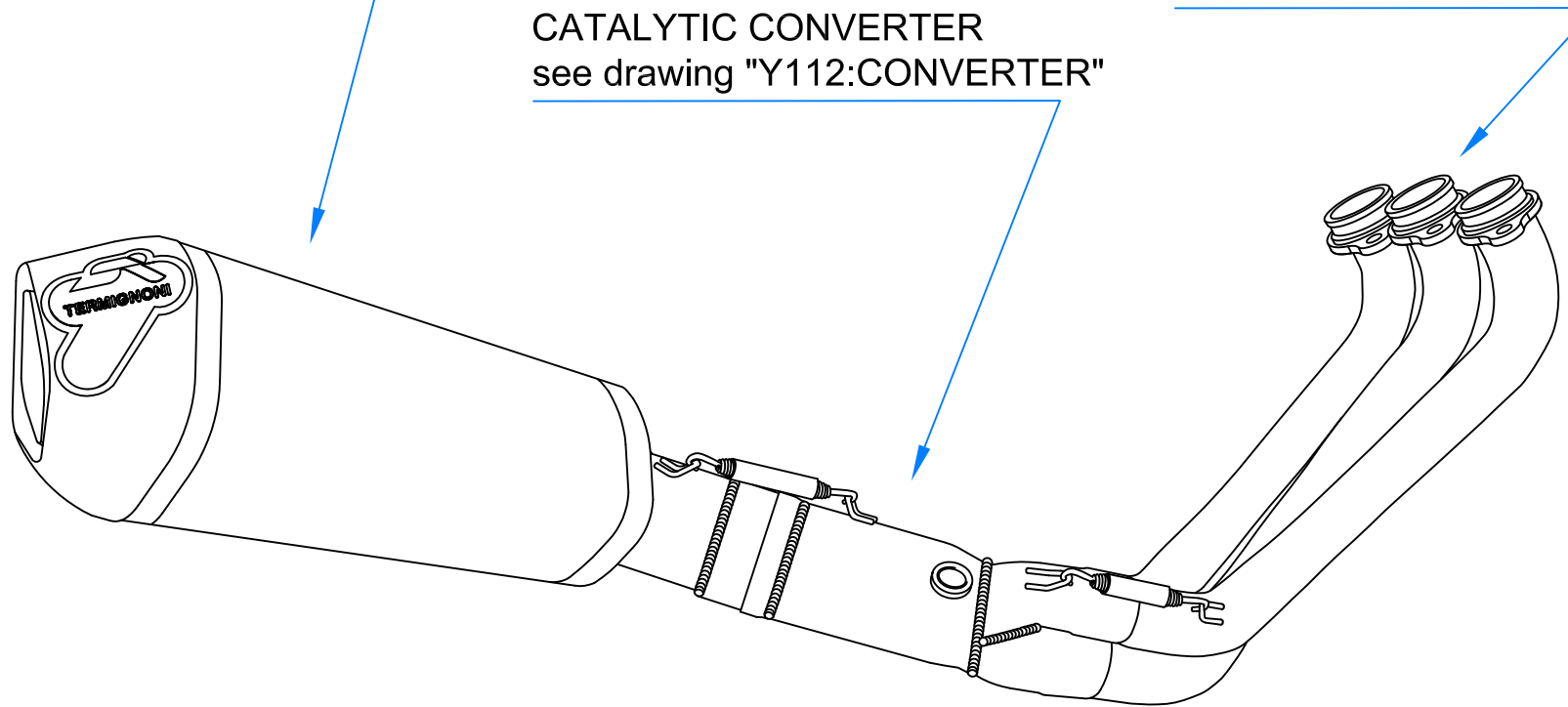
Cod. TERMIGNONI TER506

info@termignoni.it

SILENCER
see drawing "Y112: Silencer"

CATALYTIC CONVERTER
see drawing "Y112:CONVERTER"

COLLECTORS
see drawing "Y112: COLLECTORS"



SCALE:	MODEL:
DATE: 12/02/2014	YAMAHA MT-09
NAME: E. Vrapì	SILENCER code Y112 Y112 e11 00502 H
TYPE:	Y112: ASSEMBLY

Termignoni s.p.a.





Termignoni s.p.a.
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www.termignoni.it
Part. IVA - C.F. 00862780061
Iscriz. C.C.I.A.A. AL 130295
Iscriz. Tribunale Reg. Soc. 7721
N. Export AL 009063
C.C. IT 00862780061
Cap. Soc. € 1.000.000,00 int. vers.

FITTING INSTRUCTIONS

For Termignoni exhaust systems

A. Dismantling the original exhaust system

1. Remove any casing impeding clear access
2. Detach the silencer support(s) and the original silencer from the branch pipe and/or exhaust manifold

B. Fitting Termignoni silencer(s)

1. Fit the Termignoni silencer(s) to the original branch pipe, or use the Termignoni branch pipe to fit the exhaust manifold
2. Attach the silencer(s) with the mounting(s) supplied with the vehicle, leaving the screws and bolts loose
3. Adjust the exhaust system so that when fully inserted it is at least 5 mm from any other component of the vehicle
4. Tighten all screws and bolts
5. Test the vehicle and check all connections, tightening the screws and bolts if necessary
6. After about 100 km check all the connections again and tighten the screws and bolts if necessary

WARNING:

Take care when working on the exhaust system after testing the vehicle since the surfaces could be very hot



Techn. Report No.: 16-00005-CM-MIL-01
Manufacturer: Termignoni S.p.A
I-15077 Predosa (AL)
Type: Y112

Page 1/6

TEST REPORT

No. 16-00005-CM-MIL-01

about a test of a non-original exhaust system or a component
as a separate technical unit for motorcycles according to the directive of the Council of the
European Community for adaptation to the laws of the Member States relating to the
permissible sound level, pollution and exhaust systems for two or three-wheel motor vehicles

Regulation (EU) 134/2014 including the amendment (EU) 134/2014 dated 16.12.2013

Codification: H

Approval status	
<input type="checkbox"/>	Granting of a type approval --
<input checked="" type="checkbox"/>	Extension/correction to type approval no. e11*134/2014*134/2014H*00502*00

Techn. Report No.: 16-00005-CM-MIL-01
Manufacturer: Termignoni S.p.A
I-15077 Predosa (AL)
Type: Y112

Page 2/6

Reason for extension:

It will be changed: Not applicable
It will be updated: Field of application updating

0. General information

0.1. Make: TERMIGNONI
0.2. Type: Y112
0.2.1. Variants: n.a.
0.3. Name and address of manufacturer: Termignoni S.p.A.
Via della Rampina, 1
I-15077 Predosa (AL)
Italy
0.4. Name and address of authorized agent: n.a.
0.5. No. of information document: Y112/134/2014 rev. 01
Date: 16.05.2017
1.0. Class of the vehicles the unit is used for: L3e
1.1. Description of the vehicles
the unit is used for: notice enclosure 2

2. Composition of the separate technical unit

2.1. Kind of technical unit: Non-original exhaust system, consisting out of one silencer on the right, \varnothing 130x110 mm and, total length 480 mm, absorption-reflection principle with outlet pipe \varnothing 35 mm with covering pipe 51x47 mm according to drawing no. Y112: Silencer, Y112: Tappo. Equipped with catalytic converter inside of the inlet section of system according to drawings no. Y112:Final body and Y102: Catalytic converter. Aluminium-alternatively stainless steel alternatively titanium alternatively carbon fiber-cover. The variants vary because different materials are used. The basic

Techn. Report No.: 16-00005-CM-MIL-01
Manufacturer: Termignoni S.p.A
I-15077 Predosa (AL)
Type: Y112

Page 3/6

construction remains the same. The acoustic behaviour is similar.

- 2.2. Place of marking: On the silencer, see drawing: Y112: Silencer
- 2.3. Assembly of the exhaust system for testing (no. of parts, enclosure 1): Notice 3.4
- 2.4. Position and direction of the tail pipe: On the right side of the vehicle
- 2.5. Test samples submitted for testing at: 28.04.2016

3. Test report

New tests were not necessary since the new vehicles are equipped originally with the same exhaust system as the already tested vehicle. Noise and emission test results are comparable to the new vehicles.

3.9. Test results

- The results of
- 3.9.1. Noise testing
- 3.9.2. Power measurement
- 3.9.3. Top speed
- 3.9.4. Emission test
- are attached in the enclosure.

All motorcycles with the same serial exhaust system and same or fewer performance mentioned in enclosure 2, can be taken into the field of application due to the measurement with the above named motorcycle/s.

- 3.9.5. The described non-original exhaust system / technical unit is suitable for an application at the vehicles listed in enclosure 2.
- 3.9.6. The general specifications regarding (EU)134/2014; Annex IX; Appendix 2; Clause 3.5.1. are fulfilled by the non-original exhaust system as technical unit.

4. Enclosures

Enclosure 1, Composition of the non original exhaust system
Enclosure 2, Field of application
Enclosure 3, Test results
Enclosure 4, Test results according pollution
Information Document

Techn. Report No.: 16-00005-CM-MIL-01
 Manufacturer: Termignoni S.p.A
 I-15077 Predosa (AL)
 Type: Y112

5. Summary

The information folder as mentioned under No. 0.5 and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports".

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Designated as Technical Service by:

Approval authority	Country	Registration-number	Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	www.kba.de
Vehicle Certification Agency (VCA)	Vereintes Königreich/ United Kingdom	VCA-TS-006	http://ec.europa.eu/enterpri se/sectors/automotive/appro val-authorities-technical- services/technical- services/index_en.htm
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-01	
National Standards Authority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certification Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vsc.org.tw/Engli sh/Default.aspx

München, 19.05.2017



Pietro Vergani
 Authorized Signatory

ENCLOSURE 1

To test report no.

16-00005-CM-MIL-01

Type:

Y112

Manufacturer:

Termignoni S.p.A.

Composition of the original exhaust system + original parts

Page 1/1

No.	Components parts, dimensions in mm	Dimensions of the part in mm or original part / replacement part	Part no. or homologation no.
1)	Collectors and final body	Notice drawing	Drawing Y112: Collectors and Drawing Y112: Final body
2)	Catalytic converter	Ø 62x127	Drawing Y112: CATALYTIC CONVERTER
3)	Reduction	Notice drawing	Drawing Y112: TAPPO
4)	Silencer (outlet pipe Ø 35 mm)	One silencer on the right, Ø 130x110 mm, total length 480 mm, absorption- reflection- principle with an outlet pipe Ø 35 mm with covering pipe 51x47 mm	Drawing Y112: SILENCER

ENCLOSURE 2

To test report no.
Type:
Manufacturer:

16-00005-CM-MIL-01
Y112
Termignoni S.p.A.

Field of application

Page 1/1

No. of vehicle	Manufacturer	Make	Commercial name	Vehicle type (and no. of homologation)	Engine type	Stroke	Engine capacity in cm ³	Rated maximum engine power in kW/min ⁻¹	Additional remarks:	Composition as shown in enclosure no. 1
1)	YAMAHA Motor Co. Ltd.	YAMAHA	XSR 900 (MTM850)	RN43 e13*168/2013*00002	N701E	4 stroke	847	84,6 / 10000	with cat	1) 2) 3) 4)
2)			MTM850-A (MT-09 ABS)	RN43 e13*168/2013*00002						1) 2) 3) 4)
3)			MT09TRA (MT-09 TRACER)	RN43 e13*168/2013*00002						1) 2) 3) 4)
4)			MT09TRP	RN43 e13*168/2013*00002						1) 2) 3) 4)

ENCLOSURE 3

To test report no.
Type:
Manufacturer:

16-00005-CM-MIL-01
Y112
Termignoni S.p.A.

Test results

Page 1/1

No. of vehicle	Engine power original kW/min ⁻¹	Engine power non original kW/min ⁻¹	Vmax original km/h	Vmax non original km/h	measured in gear ratio	Limit Value **) SLEU4	Original measured L _{urban}	Non original measured L _{urban}	at km/h	Vehicle type hom.	Original measured	Non original measured	at min ⁻¹
1) A*	84,6 / 10000	84,5 / 10000	-	-	4	80	78,1	78,0	37,2	93	93	94	5000

*) *Test series*

**) *Limit value of directive which was valid by vehicle type homologation*

ENCLOSURE 4

To test report no.
Type
Manufacturer:

16-00005-CM-MIL-1
Y112
Termignoni S.p.A.

Test results according pollution

Page 1/1

Test series: B

Equivalent flywheel mass	290 kg
--------------------------	--------

	CO [mg/km]	HC [mg/km]	NO _x [mg/km]
Test 1	232	59	67
Test 2	275	59	67
Test 3	-	-	-
<i>Average</i>	253,5	59	67
<i>Limits EURO 4 (Vmax≥130km/h)</i>	1140	170	90

Type II

Running condition	CO [Vol %]	Engine rpm [min ⁻¹]	Engine oil temperature [K]
Nominal idle speed	0,07	1200	373
Exceeded idle speed	0,06	2300	373